

WHAT IS CLAIMED IS:-

1. A printed circuit board comprising an integrally formed spring portion.
2. A printed circuit board according to claim 1, wherein the integrally formed spring portion is formed by removing a section of the printed circuit board.
- 5 3. A circuit assembly, comprising:
a plurality of first printed circuit boards arranged in a linearly aligned manner;
a second printed circuit board arranged at one end of the linearly aligned first printed circuit boards for connecting electronics supported by the plurality of first printed circuit boards to power and data supplied; and
10 a third printed circuit board arranged at the other end of the linearly aligned first printed circuit boards, the third printed circuit board being a printed circuit board in accordance with claim 1.
4. A printhead assembly, comprising:
at least one printhead module comprising at least two printhead integrated circuits, each of which has nozzles formed therein for delivering printing fluid onto the surface of print media, a support member
15 supporting and carrying the printing fluid for the at least two printhead integrated circuits, and an electrical connector for connecting electrical signals to the at least two printhead integrated circuits;
a circuit assembly according to claim 3 electrically connected to the at least two printhead integrated circuits via the electrical connector; and
20 a casing comprising a support frame on which the at least one printhead module and the circuit assembly are removably mounted.
5. A printhead assembly according to claim 4, wherein:
the plurality of first printed circuit boards of the circuit assembly are mounted to the support frame so as to be linearly aligned in the longitudinal direction thereof, the second and third printed circuit boards of the circuit assembly being arranged at the respective longitudinal ends of the support frame; and
25 drive electronics are arranged on the plurality of first printed circuit boards for controlling the printing operation of at least one of the at least two printhead integrated circuits via the electrical connector.
6. A printhead assembly according to claim 5, wherein the third printed circuit board comprises termination connections on the spring portion for terminating a data signal traversing the at least one first printed circuit board from the second printed circuit board.
- 30 7. A printhead assembly according to claim 3, wherein:

the at least one printhead module is formed as a unitary arrangement of the at least two printhead integrated circuits, the support member, the electrical connector, and at least one fluid distribution member mounting the at least two printhead integrated circuits to the support member; and

- 5 the support member has at least one longitudinally extending channel for carrying the printing fluid for the printhead integrated circuits and includes a plurality of apertures extending through a wall of the support member arranged so as to direct the printing fluid from the at least one channel to associated nozzles in both, or if more than two, all of the printhead integrated circuits by way of respective ones of the fluid distribution members.

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